

ABSTRACT

Managing messages by storing messages in queues and providing a macro queue that is associated with the queues. An application programming interface initiates a request to the macro queue to obtain a message stored in one of the queues without identifying a particular queue. The macro queue selects a queue from among the queues, and then selects a message from the selected queue. The macro queue may select a message from a queue based on queue priority or queue service time quality. A remote queue proxy is used to establish a communication link between a remote application programming interface and the macro queue. The queues and the macro queue are implemented using object oriented programming principles.

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